LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072118\
Data File : VW004116.D
Acq On : 21 Jul 2018 15:50
Operator : SY/AP
Sample : J4038-19
Misc : 5.70G/10ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** DB1N6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.746 | 18 | 26 | 28 | rBV | 12646 | 23325 | 0.02% | 0.015% |
| 2 | 1.807 | 28 | 36 | 57 | rVB | 1733530 | 3838150 | 3.04% | 2.516% |
| 3 | 2.160 | 87 | 94 | 100 | rBV5 | 4876 | 11250 | 0.01% | 0.007% |
| 4 | 2.349 | 116 | 125 | 136 | rBV | 47613 | 90462 | 0.07% | 0.059% |
| 5 | 2.630 | 166 | 171 | 181 | rBV8 | 5187 | 15271 | 0.01% | 0.010% |
| 6 | 2.886 | 207 | 213 | 228 | rVB | 28926 | 76687 | 0.06% | 0.050% |
| 7 | 3.014 | 232 | 234 | 235 | rBV2 | 1669 | 1152 | 0.00% | 0.001% |
| 8 | 3.843 | 368 | 370 | 378 | rVB6 | 1138 | 1539 | 0.00% | 0.001% |
| 9 | 4.008 | 386 | 397 | 414 | rBV2 | 84411 | 255850 | 0.20% | 0.168% |
| 10 | 4.355 | 451 | 454 | 456 | rBV2 | 434 | 467 | 0.00% | 0.000% |
| 11 | 4.764 | 520 | 521 | 524 | rBV3 | 290 | 331 | 0.00% | 0.000% |
| 12 | 4.904 | 531 | 544 | 558 | rBV3 | 6208 | 23298 | 0.02% | 0.015% |
| 13 | 5.099 | 574 | 576 | 578 | rBV | 464 | 396 | 0.00% | 0.000% |
| 14 | 5.142 | 580 | 583 | 584 | rVV3 | 426 | 487 | 0.00% | 0.000% |
| 15 | 5.178 | 586 | 589 | 591 | rVV3 | 587 | 731 | 0.00% | 0.000% |
| 16 | 5.202 | 591 | 593 | 596 | rVV3 | 401 | 508 | 0.00% | 0.000% |
| 17 | 5.294 | 604 | 608 | 609 | rBV | 394 | 418 | 0.00% | 0.000% |
| 18 | 5.398 | 624 | 625 | 628 | rBV2 | 362 | 370 | 0.00% | 0.000% |
| 19 | 5.526 | 644 | 646 | 649 | rVB2 | 321 | 327 | 0.00% | 0.000% |
| 20 | 5.562 | 649 | 652 | 655 | rBV3 | 292 | 389 | 0.00% | 0.000% |
| 21 | 5.769 | 683 | 686 | 688 | rVB2 | 290 | 331 | 0.00% | 0.000% |
| 22 | 5.940 | 704 | 714 | 722 | rVV6 | 2735 | 8071 | 0.01% | 0.005% |
| 23 | 6.446 | 793 | 797 | 799 | rBV2 | 213 | 360 | 0.00% | 0.000% |
| 24 | 6.507 | 805 | 807 | 810 | rBV2 | 242 | 339 | 0.00% | 0.000% |
| 25 | 6.568 | 814 | 817 | 821 | rVB2 | 385 | 436 | 0.00% | 0.000% |
| 26 | 6.690 | 835 | 837 | 840 | rVB2 | 450 | 372 | 0.00% | 0.000% |
| 27 | 6.727 | 840 | 843 | 845 | rBV2 | 293 | 372 | 0.00% | 0.000% |
| 28 | 6.775 | 849 | 851 | 855 | rBV3 | 301 | 334 | 0.00% | 0.000% |
| 29 | 6.879 | 865 | 868 | 870 | rBV | 350 | 517 | 0.00% | 0.000% |
| 30 | 6.977 | 878 | 884 | 885 | rBV2 | 866 | 1192 | 0.00% | 0.001% |
| 31 | 7.086 | 892 | 902 | 919 | rBV | 50086 | 152303 | 0.12% | 0.100% |
| 32 | 7.263 | 929 | 931 | 933 | rVV3 | 347 | 351 | 0.00% | 0.000% |
| 33 | 7.464 | 962 | 964 | 969 | rVB | 388 | 605 | 0.00% | 0.000% |
| 34 | 7.531 | 972 | 975 | 976 | rBV2 | 623 | 583 | 0.00% | 0.000% |

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Sample : J4038-19
Misc : 5.70G/10ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** DB1N6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 7.647 | 983 | 994 | 1007 | rBV | 156067 | 382215 | 0.30% | 0.251% |
| 36 | 7.903 | 1034 | 1036 | 1038 | rVB3 | 393 | 340 | 0.00% | 0.000% |
| 37 | 7.934 | 1038 | 1041 | 1042 | rBV2 | 434 | 451 | 0.00% | 0.000% |
| 38 | 8.153 | 1073 | 1077 | 1078 | rBV2 | 430 | 579 | 0.00% | 0.000% |
| 39 | 8.281 | 1086 | 1098 | 1112 | rBV2 | 274162 | 865502 | 0.69% | 0.567% |
| 40 | 8.690 | 1161 | 1165 | 1166 | rBV3 | 522 | 691 | 0.00% | 0.000% |
| 41 | 8.848 | 1182 | 1191 | 1205 | rBV | 417953 | 808308 | 0.64% | 0.530% |
| 42 | 9.043 | 1219 | 1223 | 1225 | rBV4 | 1051 | 1524 | 0.00% | 0.001% |
| 43 | 9.080 | 1225 | 1229 | 1239 | rVB8 | 1662 | 4222 | 0.00% | 0.003% |
| 44 | 9.196 | 1245 | 1248 | 1250 | rBV | 317 | 357 | 0.00% | 0.000% |
| 45 | 9.281 | 1252 | 1262 | 1271 | rBV | 215156 | 440908 | 0.35% | 0.289% |
| 46 | 9.592 | 1311 | 1313 | 1315 | rVV2 | 431 | 542 | 0.00% | 0.000% |
| 47 | 9.665 | 1321 | 1325 | 1331 | rVV4 | 1000 | 2130 | 0.00% | 0.001% |
| 48 | 9.769 | 1339 | 1342 | 1346 | rBV2 | 358 | 422 | 0.00% | 0.000% |
| 49 | 9.811 | 1346 | 1349 | 1351 | rBV2 | 358 | 354 | 0.00% | 0.000% |
| 50 | 9.842 | 1351 | 1354 | 1357 | rVB2 | 319 | 335 | 0.00% | 0.000% |
| 51 | 9.891 | 1357 | 1362 | 1364 | rBV3 | 362 | 403 | 0.00% | 0.000% |
| 52 | 10.037 | 1378 | 1386 | 1394 | rBV | 106238 | 191590 | 0.15% | 0.126% |
| 53 | 10.122 | 1398 | 1400 | 1405 | rVV3 | 1181 | 1572 | 0.00% | 0.001% |
| 54 | 10.214 | 1411 | 1415 | 1418 | rBV3 | 383 | 724 | 0.00% | 0.000% |
| 55 | 10.330 | 1426 | 1434 | 1441 | rBV | 362721 | 625402 | 0.50% | 0.410% |
| 56 | 10.391 | 1441 | 1444 | 1456 | rVB2 | 4575 | 9519 | 0.01% | 0.006% |
| 57 | 10.506 | 1459 | 1463 | 1467 | rVB3 | 994 | 1692 | 0.00% | 0.001% |
| 58 | 10.586 | 1467 | 1476 | 1484 | rBV | 79289 | 140691 | 0.11% | 0.092% |
| 59 | 10.714 | 1491 | 1497 | 1504 | rVB2 | 4887 | 8152 | 0.01% | 0.005% |
| 60 | 10.762 | 1504 | 1505 | 1507 | rBV | 467 | 350 | 0.00% | 0.000% |
| 61 | 10.854 | 1513 | 1520 | 1523 | rBV2 | 465 | 891 | 0.00% | 0.001% |
| 62 | 10.933 | 1526 | 1533 | 1545 | rBV | 190594 | 324728 | 0.26% | 0.213% |
| 63 | 11.067 | 1554 | 1555 | 1562 | rVB6 | 746 | 1028 | 0.00% | 0.001% |
| 64 | 11.476 | 1579 | 1622 | 1625 | rBV | 2830087 | 15720023 | 12.45% | 10.304% |
| 65 | 11.835 | 1678 | 1681 | 1682 | rBV2 | 1070 | 1082 | 0.00% | 0.001% |
| 66 | 12.244 | 1707 | 1748 | 1784 | rBV2 | 19932050 | 126228389 | 100.00% | 82.739% |
| 67 | 12.476 | 1784 | 1786 | 1789 | rVB4 | 1699 | 1552 | 0.00% | 0.001% |
| 68 | 12.561 | 1797 | 1800 | 1805 | rVV6 | 1858 | 2613 | 0.00% | 0.002% |
| 69 | 12.616 | 1805 | 1809 | 1816 | rVB | 16996 | 27448 | 0.02% | 0.018% |
| 70 | 12.701 | 1816 | 1823 | 1832 | rVB | 243243 | 403902 | 0.32% | 0.265% |
| 71 | 12.884 | 1849 | 1853 | 1855 | rBV5 | 597 | 897 | 0.00% | 0.001% |

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Sample : J4038-19
Misc : 5.70G/10ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** DB1N6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 12.939 | 1859 | 1862 | 1864 | rVV4 | 1652 | 2277 | 0.00% | 0.001% |
| 73 | 12.976 | 1864 | 1868 | 1875 | rVB | 15622 | 25260 | 0.02% | 0.017% |
| 74 | 13.061 | 1880 | 1882 | 1884 | rBV2 | 445 | 519 | 0.00% | 0.000% |
| 75 | 13.262 | 1911 | 1915 | 1916 | rBV3 | 1241 | 1484 | 0.00% | 0.001% |
| 76 | 13.341 | 1926 | 1928 | 1929 | rVB2 | 657 | 422 | 0.00% | 0.000% |
| 77 | 13.384 | 1930 | 1935 | 1944 | rVB7 | 2348 | 5357 | 0.00% | 0.004% |
| 78 | 13.451 | 1944 | 1946 | 1947 | rBV | 628 | 560 | 0.00% | 0.000% |
| 79 | 13.567 | 1957 | 1965 | 1975 | rBV | 664444 | 1055786 | 0.84% | 0.692% |
| 80 | 13.658 | 1976 | 1980 | 1986 | rVB5 | 5989 | 10197 | 0.01% | 0.007% |
| 81 | 13.859 | 2006 | 2013 | 2022 | rVB | 415667 | 690280 | 0.55% | 0.452% |
| 82 | 14.085 | 2044 | 2050 | 2055 | rBV2 | 12473 | 20717 | 0.02% | 0.014% |
| 83 | 14.213 | 2069 | 2071 | 2072 | rBV2 | 617 | 426 | 0.00% | 0.000% |
| 84 | 14.341 | 2086 | 2092 | 2097 | rVB8 | 2842 | 4919 | 0.00% | 0.003% |
| 85 | 14.426 | 2104 | 2106 | 2108 | rBV3 | 500 | 454 | 0.00% | 0.000% |
| 86 | 14.536 | 2117 | 2124 | 2128 | rBV5 | 7213 | 12140 | 0.01% | 0.008% |
| 87 | 14.731 | 2154 | 2156 | 2162 | rVB3 | 3594 | 4967 | 0.00% | 0.003% |
| 88 | 14.871 | 2176 | 2179 | 2181 | rBV3 | 763 | 648 | 0.00% | 0.000% |
| 89 | 15.012 | 2200 | 2202 | 2206 | rVB3 | 639 | 905 | 0.00% | 0.001% |
| 90 | 15.134 | 2220 | 2222 | 2227 | rBV5 | 540 | 645 | 0.00% | 0.000% |
| 91 | 15.268 | 2240 | 2244 | 2248 | rVB3 | 1879 | 2817 | 0.00% | 0.002% |
| 92 | 15.518 | 2280 | 2285 | 2291 | rVB2 | 3266 | 5860 | 0.00% | 0.004% |
| 93 | 15.573 | 2291 | 2294 | 2298 | rBV5 | 693 | 1339 | 0.00% | 0.001% |
| 94 | 15.877 | 2340 | 2344 | 2345 | rBV4 | 549 | 593 | 0.00% | 0.000% |
| 95 | 16.018 | 2366 | 2367 | 2369 | rVB2 | 853 | 425 | 0.00% | 0.000% |
| 96 | 16.182 | 2392 | 2394 | 2397 | rVB4 | 521 | 506 | 0.00% | 0.000% |
| 97 | 16.237 | 2400 | 2403 | 2404 | rBV2 | 582 | 650 | 0.00% | 0.000% |
| 98 | 16.249 | 2404 | 2405 | 2408 | rVB3 | 819 | 579 | 0.00% | 0.000% |
| 99 | 16.615 | 2462 | 2465 | 2470 | rBV5 | 666 | 1267 | 0.00% | 0.001% |
| 100 | 16.658 | 2470 | 2472 | 2475 | rBV3 | 493 | 533 | 0.00% | 0.000% |

Sum of corrected areas: 152561634

LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072118\
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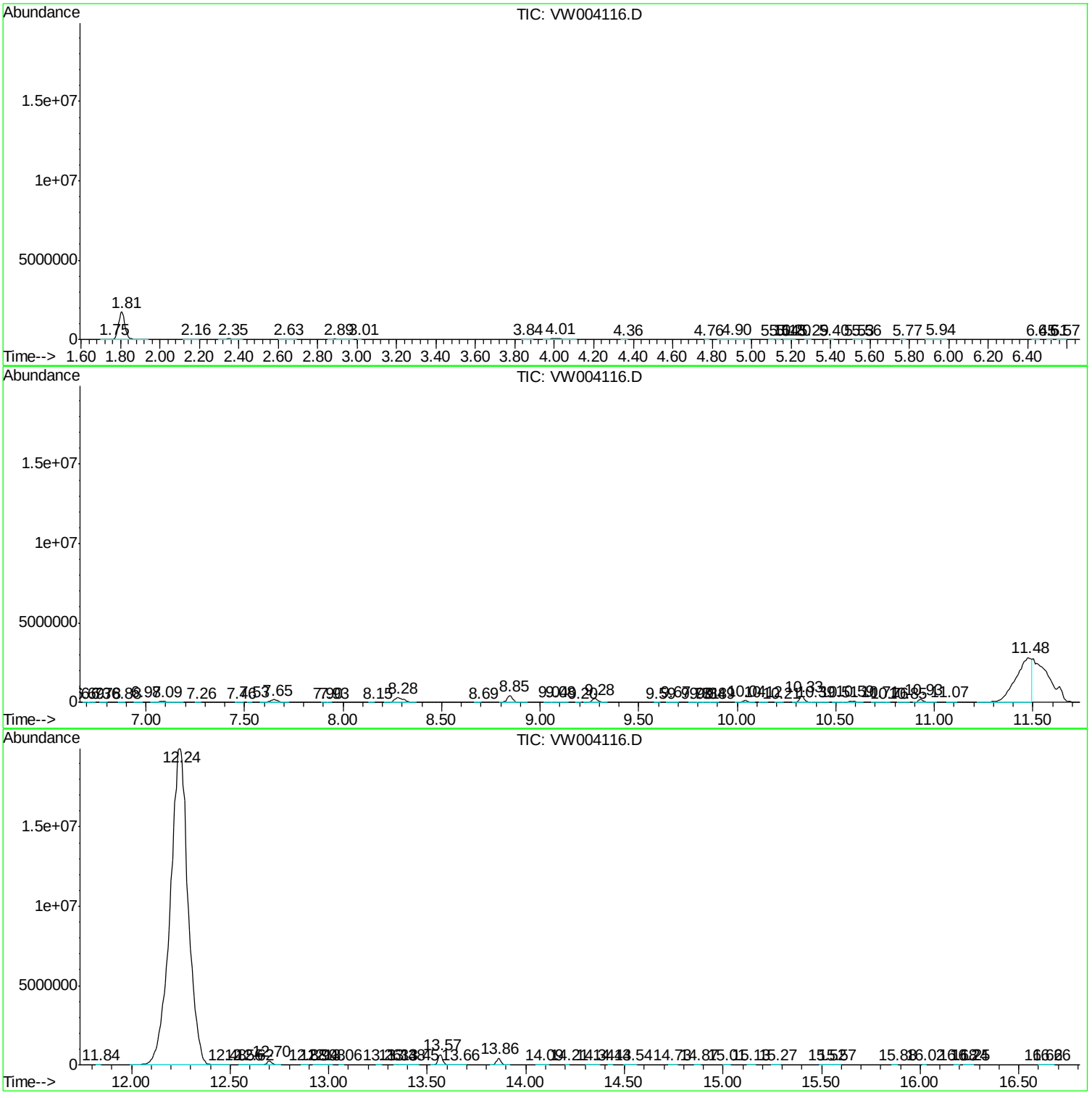
Operator : SY/AP
Sample : J4038-19
Misc : 5.70G/10ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
DB1N6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072118\
Data File : VW004116.D
Acq On : 21 Jul 2018 15:50
Operator : SY/AP
Sample : J4038-19
Misc : 5.70G/10ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** DB1N6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

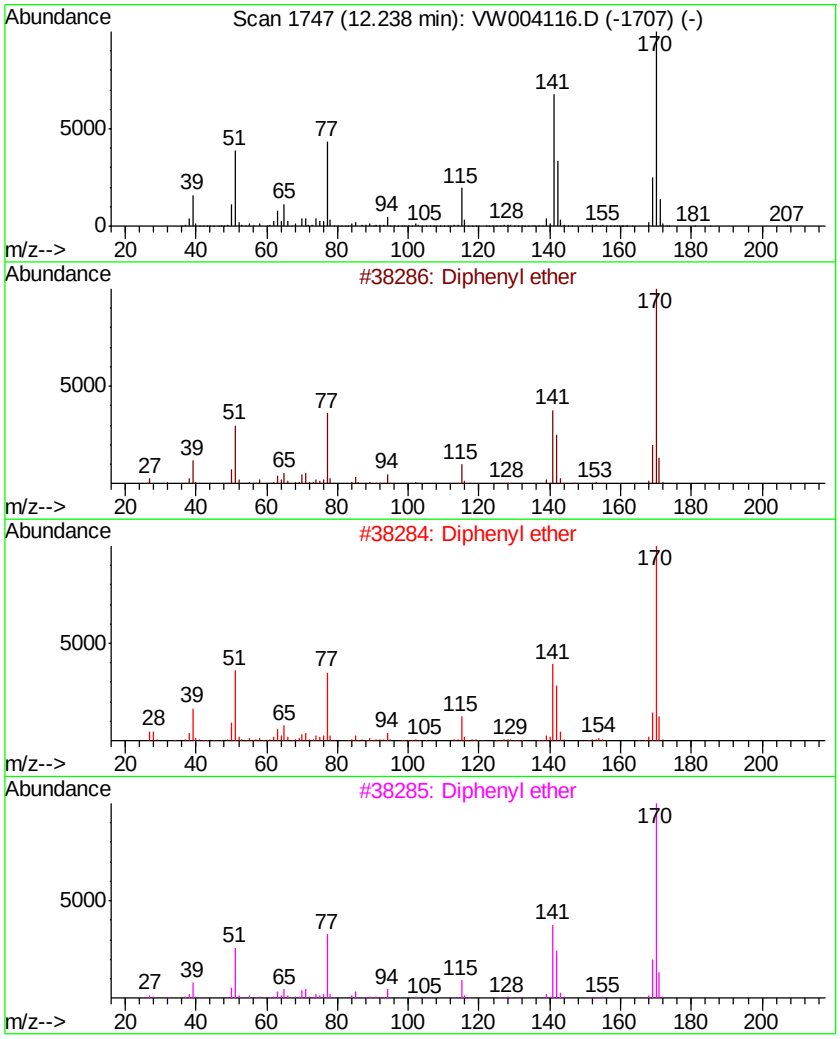
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

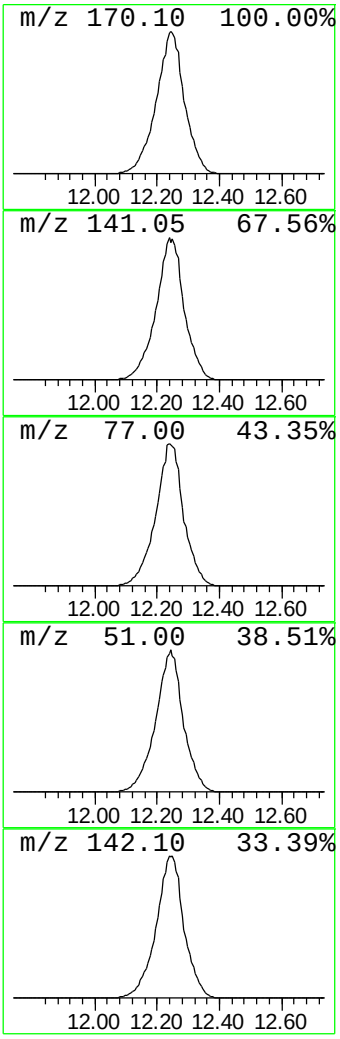
**********

Peak Number 4 Diphenyl ether Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.24 | 200.75 ug/L | 126228000 | Chlorobenzene-d5 | 11.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 94 |
| 2 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 90 |
| 3 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 81 |
| 4 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 72 |
| 5 | 2-(2-Cyanophenyl)oxazole | 170 | C10H6N2O | 1000281-31-2 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072118\
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**ClientSampleId :** DB1N6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Diphenyl ether | 12.24 | 200.8 | ug/L | 126228000 | 2 | 11.63 | 15720000 | 25.0 |